

MICROSTRUCTURE MODIFIER FOR ANIONIC POLYMERIZATION I**Patent number:** WO03044065**Publication date:** 2003-05-30**Inventor:** HELLERMANN WALTER (DE)**Applicant:** HELLERMANN WALTER (DE)**Classification:****- international:** C08F36/04; C08F4/48; C07D317/22; C07D319/06**- european:** C07D317/22; C07D317/28; C07D319/06; C08C19/44;
C08F36/04**Application number:** WO2002EP12687 20021113**Priority number(s):** DE20011057637 20011123; DE20011058609 20011129**Also published as:** WO03044065 (A3) EP1453869 (A3) EP1453869 (A2)**Cited documents:** US3822219 US4577002 EP0304589 EP1205495**Abstract of WO03044065**

Disclosed is a method for the production of optionally coupled, non-blocking polymers based on conjugated dienes and optionally monovinyl aromatic compounds by anionic polymerization in an inert organic solvent in the presence of a lithium organic compound as an initiator and a microstructure modifier and/or randomizer. Specific ether compounds are used as a microstructure modifier and/or randomizer. The polymers thus produced are particularly suitable for the production of damping material, tires and tire components (e.g. tire treads or tire sidewalls) and technical rubber articles.

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